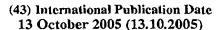
(19) World Intellectual Property Organization

International Bureau





PCT

1 1001/0 DANIBUDI IN BATAR HULI BODIX DOKLO BAKI 148 ALI OBKID 1810A DIZUB BIXILO DIZUB KIBI DUDUSTI KODI HISI

(10) International Publication Number WO 2005/095362 A1

(51) International Patent Classification?: C07D 249/08, A61K 31/4196, A61P 11/06, 11/00, C07D 213/36, C07C 311/50

(21) International Application Number:

PCT/SE2005/000448

(22) International Filing Date: 29 March 2005 (29.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0400850-4

30 March 2004 (30.03.2004) S

(71) Applicant (for all designated States except US): AS-TRAZENECA AB [SE/SE]; S-151 85 Södertälje (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ERIKSSON, Anders [SE/SE]; AstraZeneca R & D Lund, S-221 87 Lund (SE). LEPISTÖ, Matti [SE/SE]; AstraZeneca R & D Lund, S-221 87 Lund (SE).

(74) Agent: ASTRAZENECA; Global Intellectual Property, S-151 85 Södertälje (SE). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NI., PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRIAZOLONE DERIVATIVES AS MMP INHIBITORS FOR THE TREATMENT OF ASTHMA AND COPD

(57) Abstract: The invention provides compounds of formula (I): wherein R¹, R², R³, R⁴, R⁵, X, Y, L, G¹ and m have the meanings defined in the specification; processes for their preparation; pharmaceutical compositions containing them; a process for preparing the pharmaceutical compositions; and their use in therapy. The compounds are useful as metalloproteinase (MMP) inhibitors.